

## Title (en)

Polysaccharide macromonomer based co-polymer

## Title (de)

Copolymer auf Polysaccharid-Makromonomer-Basis

## Title (fr)

Copolymère à base de macromonomères de polysaccharides

## Publication

**EP 2514777 A1 20121024 (EN)**

## Application

**EP 11003334 A 20110420**

## Priority

EP 11003334 A 20110420

## Abstract (en)

The invention relates to aqueous co-polymers, which are based on ethylenically unsaturated polysaccharide derivatives co-polymerized with  $\pm$ ,<sup>2</sup>-ethylenically unsaturated carboxylic acids and hydrophobic monomers. Ethylenically unsaturated polysaccharides of the invention are preferably starch derivatives comprising covalently bound co-polymerizable groups. The co-polymers are at least partially water insoluble at acidic conditions and thereby have relatively low viscosities. In alkaline or neutral conditions the co-polymers dissolve activating the thickening effect. The carbohydrate based co-polymers of the invention are applicable as thickeners and rheology modifiers in various applications such as paper coatings.

## IPC 8 full level

**C08F 290/10** (2006.01)

## CPC (source: EP)

**C08F 290/10** (2013.01)

## Citation (applicant)

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## Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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## DOCDB simple family (publication)

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